

ABSTRACT

Electrical resistances to carry out heating of air necessary for the combustion process of an engine, each of said resistance being in continuous tape form, with a pronounced coiled trajectory so that the resistance is distributed uniformly in an orifice for the passage of air established in a support and has its larger faces located in imaginary planes parallel to the axis of said orifice so that the electrical resistance presents its front rim to the passage of the air with a minimum loss of head, while presenting a wide contact surface to the air. The resistance is fastened to the support in arched recesses defined in diametrically opposed areas of said support, with the interposition of respective ceramic insulators being connected to ground by one of its ends and by its other end to the electricity supply cable.